



Attorney's Docket No. 1496.00083

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: David N. Pether et al.

Serial No.: 09/851,860

Art Unit: 2124

Filed: May 9, 2001

Examiner: Ngo, C.

For: **BIT REDUCTION USING DITHER, ROUNDING AND ERROR
FEEDBACK**

Commissioner for Patents
P.O. Box 1450
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SUBMISSION OF DRAWING AMENDMENT (37 CFR 1.121)

Attached please find

(check applicable items)

☒ Seven sheets replacement drawings in permanent ink

☐ annotated marked-up copy of the amended drawing(s) with annotations showing the change(s).

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Dated: May 13, 2004

CERTIFICATE OF MAILING (37 CFR 1.8(a))

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: May 13, 2004

Jan M. Dunbar

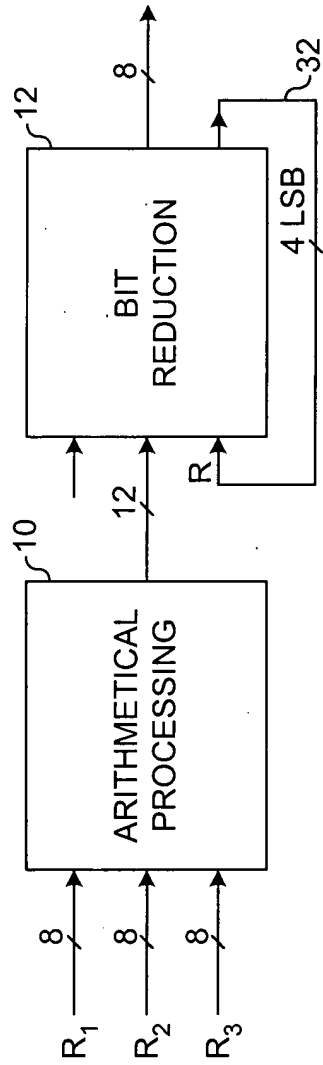
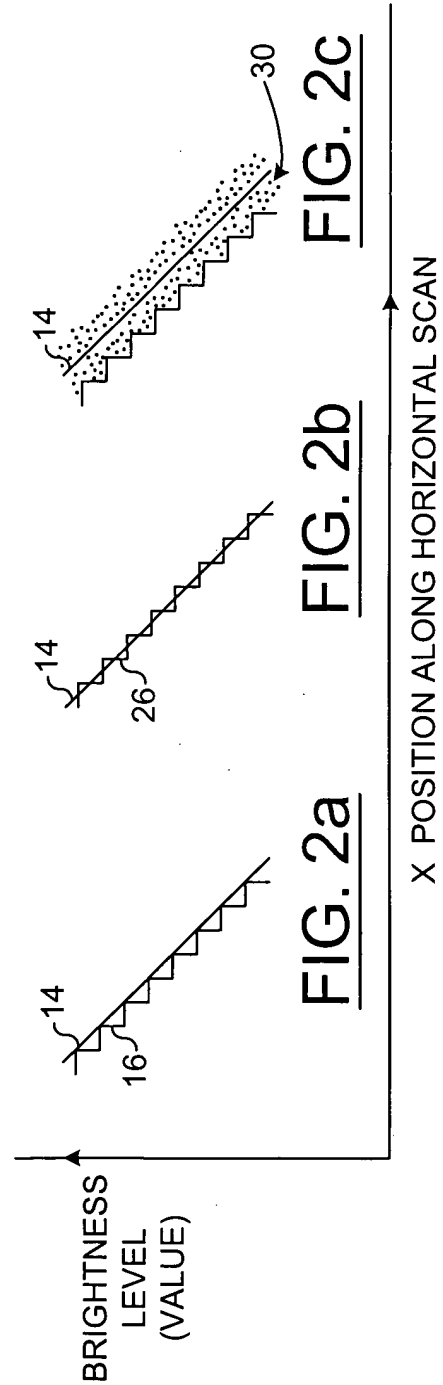


FIG. 1



$$\begin{aligned}
 &18 \quad 000001000001 \xrightarrow{\text{LSBs}} + 1000 \rightarrow 000001001001 \quad 22 \quad \text{LSBs} \\
 &20 \quad 000001001100 \xrightarrow{\text{LSBs}} + 1000 \rightarrow 000001010100 \quad 24 \quad \text{LSBs}
 \end{aligned}$$

FIG. 3

		\xrightarrow{X}			
	(X,Y)	0	1	2	3
$\downarrow Y$	0	0100	1000	0100	1000
	1	1000	1011	1000	1011
	2	0100	1000	0100	1000
	3	1000	1011	1000	1011

28

FIG. 4

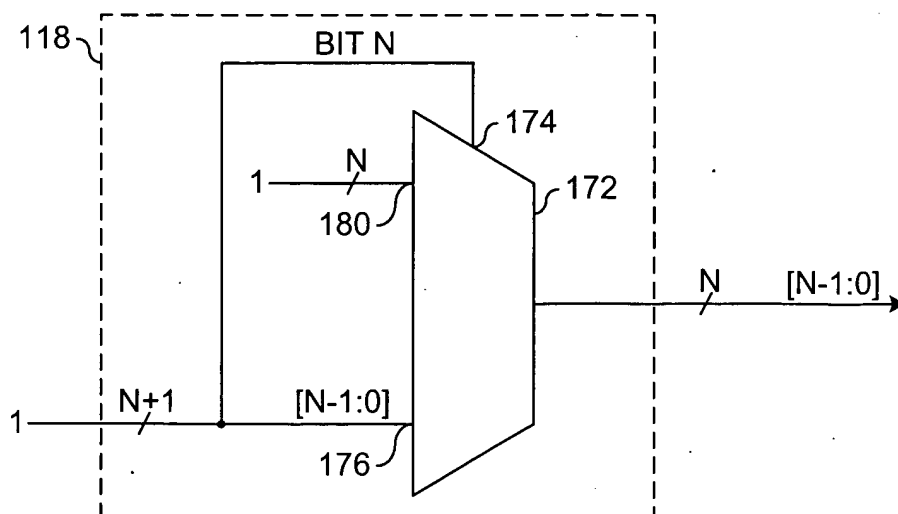


FIG. 6

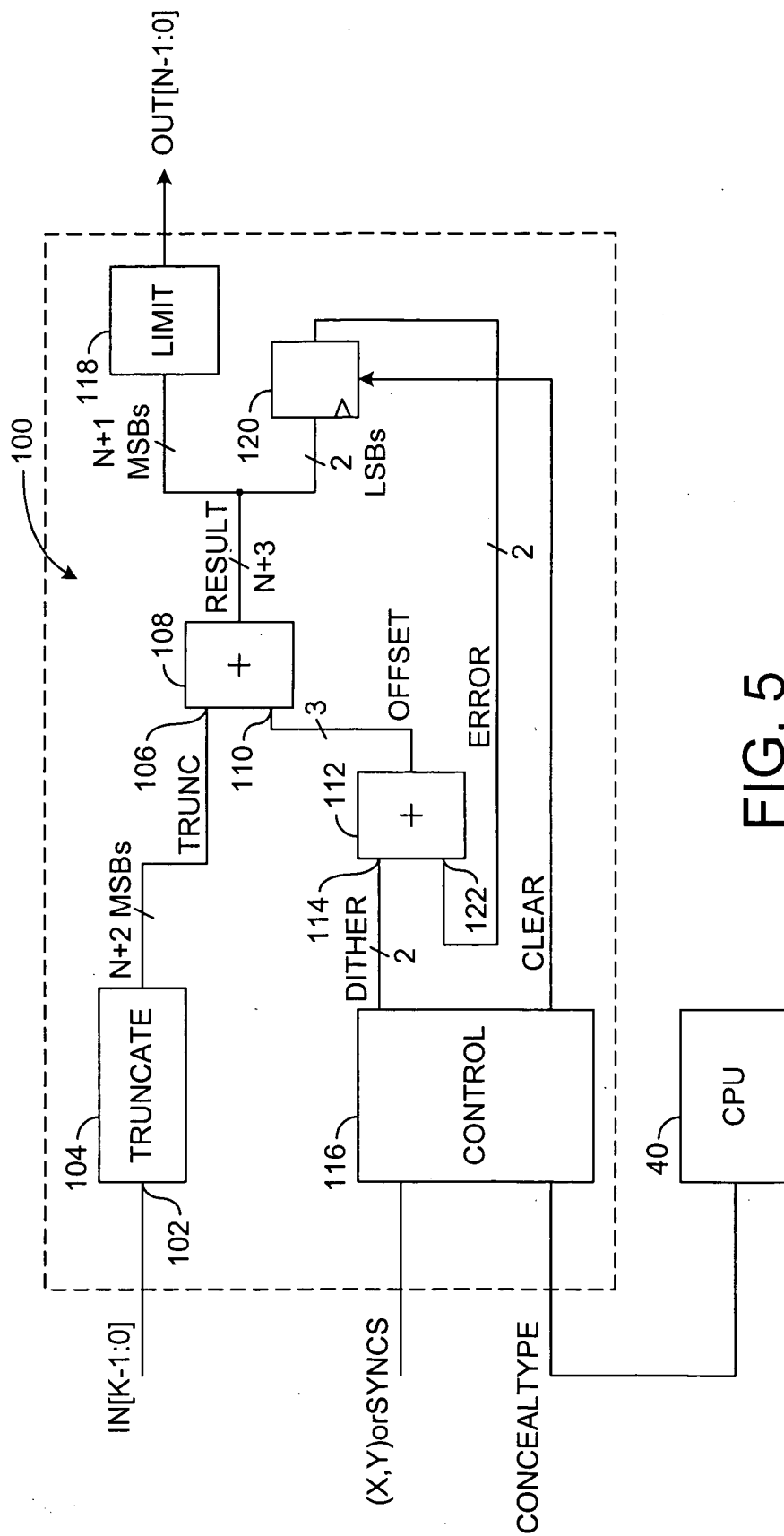


FIG. 5



CONCEALTYPE	Y[0]	X[0]	DITHER[1:0]
TRUNCATE	X	X	00
ROUND	X	X	10
DITHER	0	0	01
	0	1	10
	1	0	10
	1	1	11

FIG. 7

01	10	01	10
10	11	10	11
01	10	01	10
10	11	10	11

FIG. 8

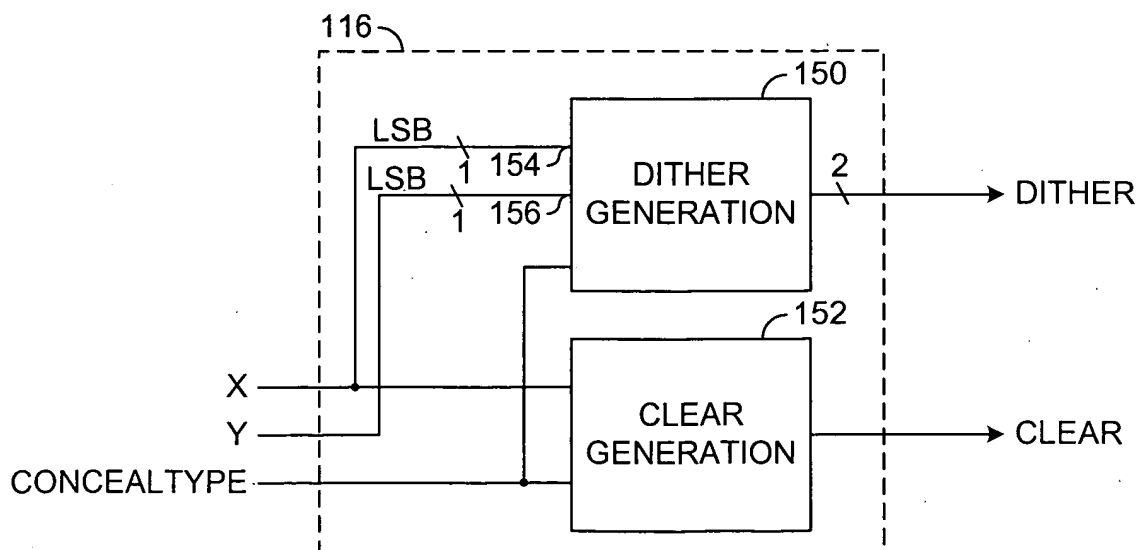


FIG. 9

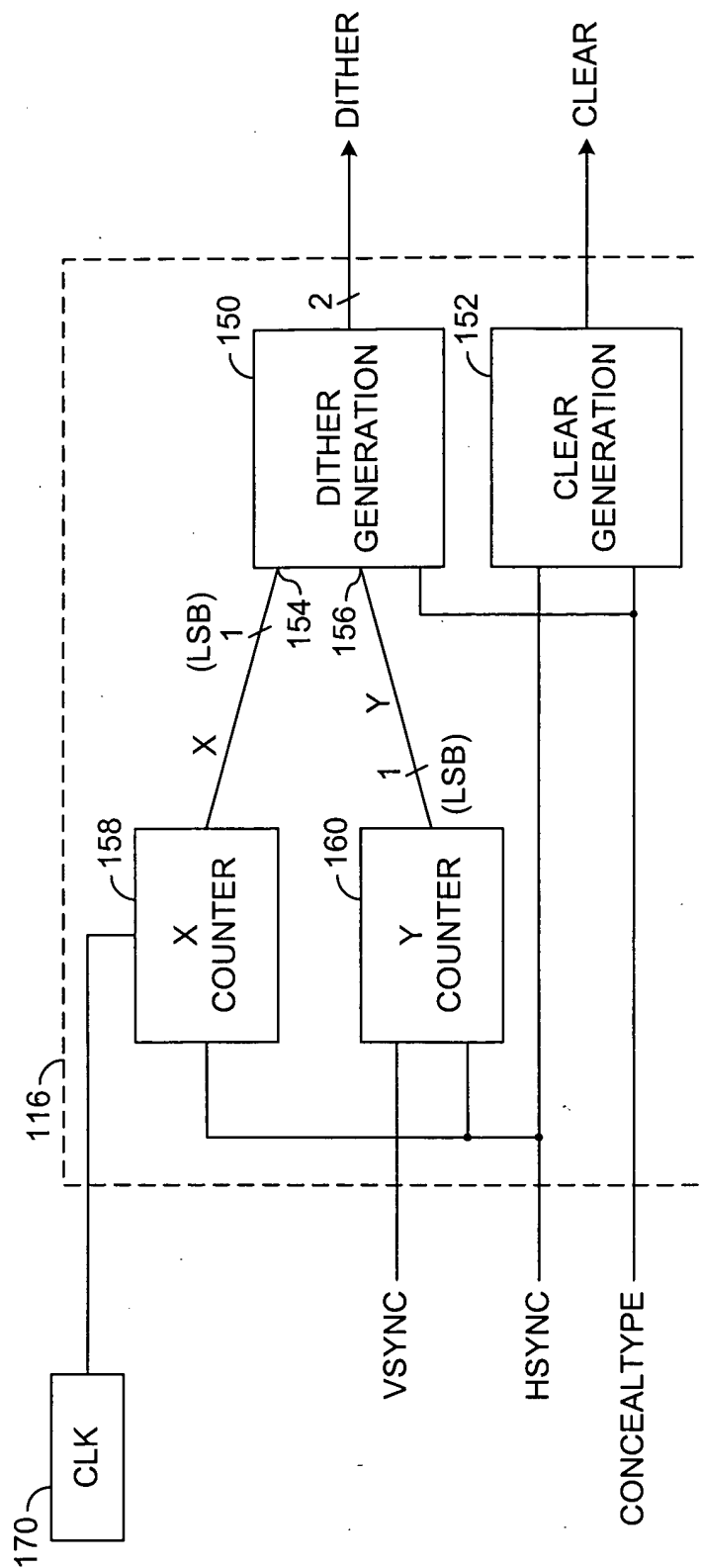


FIG. 10

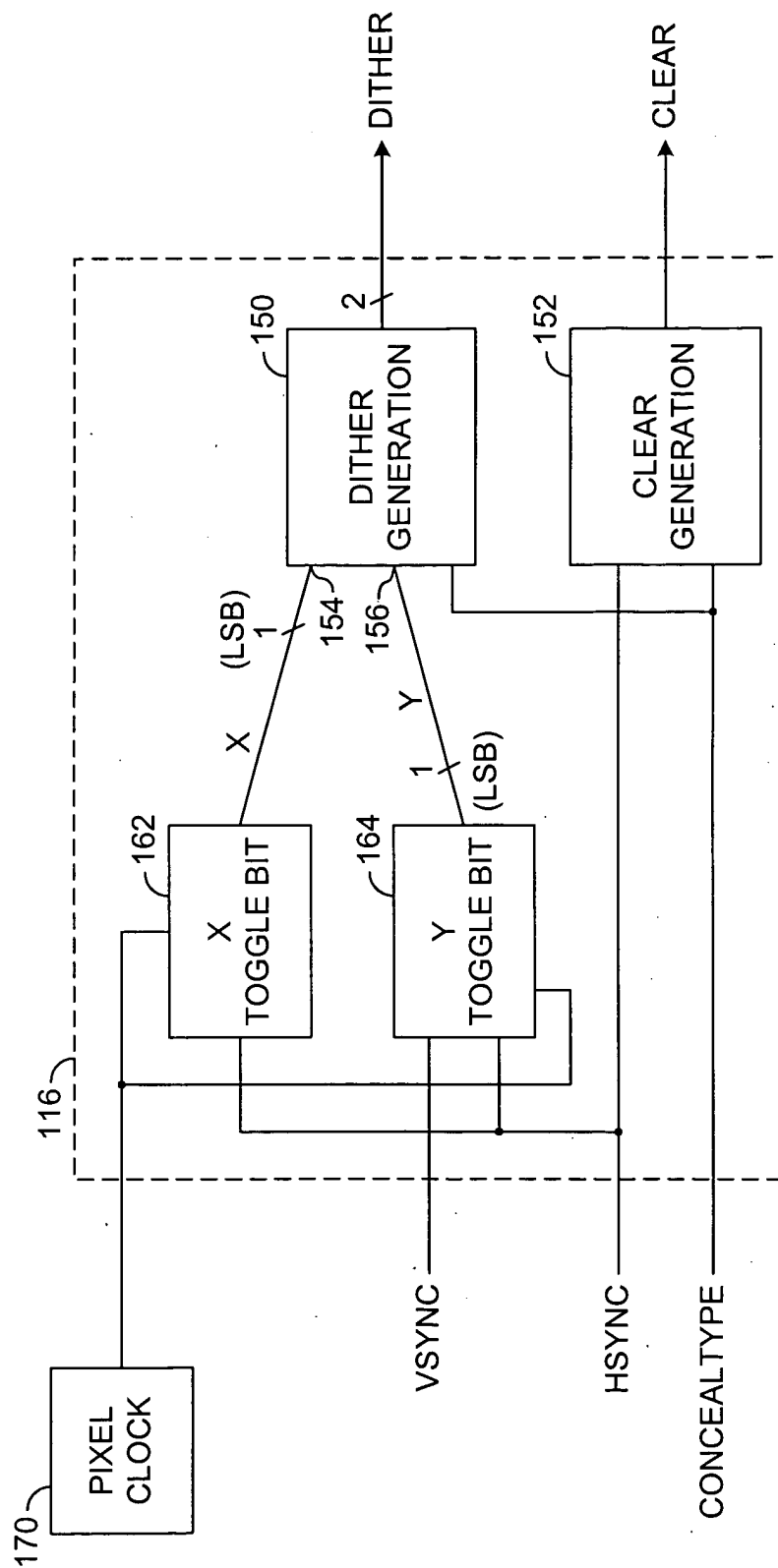


FIG. 11

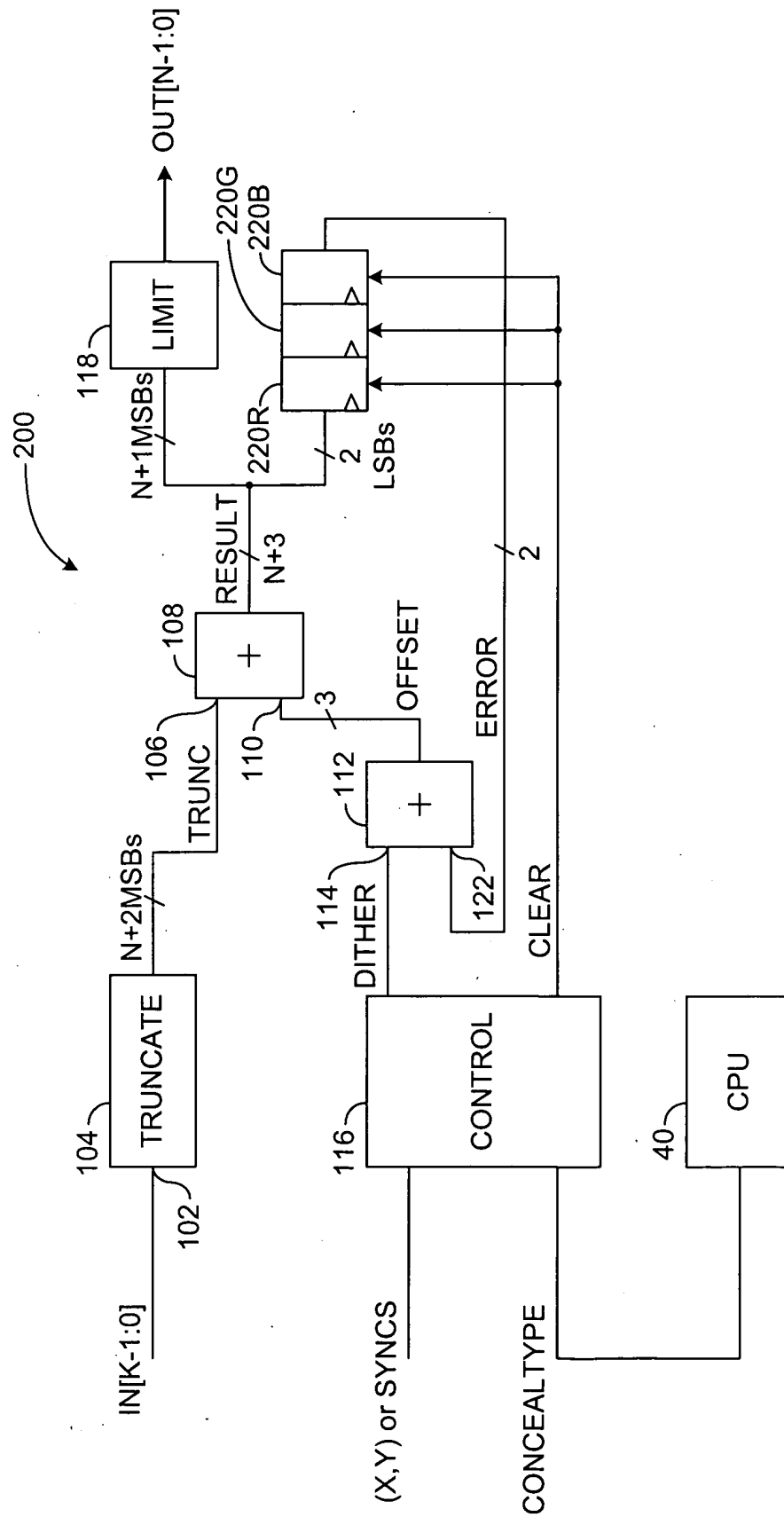


FIG. 12